#### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 3 August 2006 (03.08.2006)

# (10) International Publication Number WO 2006/080706 A1

- (51) International Patent Classification: *A47L 15/48* (2006.01)
- (21) International Application Number:

PCT/KR2005/003317

- (22) International Filing Date: 6 October 2005 (06.10.2005)
- (25) Filing Language:

Korean

(26) Publication Language:

English

- (30) Priority Data: 10-2004-0081271 12 October 2004 (12.10.2004) KR
- (71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20, Yoido-dong, Youngdungpo-ku, Seoul 105-875 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LEE, Gang Hyun [KR/KR]; 101-113, LG Life Office, Gaeumjeong-dong, Changwon-si, Gyeongsangnam-do 641-110 (KR).
- (74) Agent: HAW, Yong Noke; 8th F1. Songchon Bldg., 642-15, Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

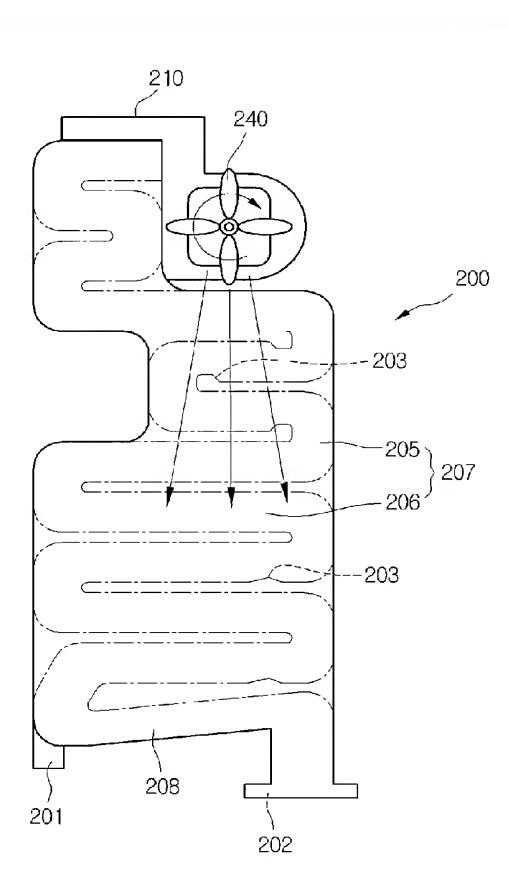
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### **Published:**

with international search report

[Continued on next page]

(54) Title: CONDENSING APPARATUS OF DISH WASHER



(57) Abstract: A condensing apparatus of a dish washer (100) is provided. The condensing apparatus includes an air duct (100) and a blower (210). Vapor from inside a tub (110) of the dish washer (100) flows through the air duct (200) in which it condenses. The blower (210) has a condenser fan (240) that blows air at the air duct (200) to exchange heat with the vapor flowing through the air duct (200), and a dryer fan that provides suctioning force for suctioning vapor from inside the tub (100).

WO 2006/080706 A1

### WO 2006/080706 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.